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A NARRATIVE OF THE LAST ILLNESS OF THE RIGHT HONOURABLE THE EARL of ORFORD:

From *May* 1744, to the Day of his Deceaſe, *March* the Eighteenth following.

By JOHN RANBY,
Principal SERJEANT SURGEON to His MAJESTY, and *F. R. S.*

LONDON:
Printed for JOHN and PAUL KNAPTON, in *Ludgate Street.* M.DCC.XLV.
(Price One Shilling.)

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A NARRATIVE

OF THE

LAST ILLNESS

OF THE

RIGHT HONOURABLE

THE

EARL OF OXFORD:

A

THE PREFACE.

FULFILLING the Will of the Dead was ever, even amongſt the moſt uncivilized Nations, eſteemed an indiſpenſable Obligation, and a Sort of a ſacred Duty. And a Man, that could tranſgreſs in this eſſential Point, was look'd upon as capable of violating his Father's Aſhes, and committing the moſt execrable Enormity. 'Tis in Conſequence of a ſolemn Injunction of this Nature, that I have penned the following Narrative; the illuſtrious Perſonage, who is the melancholy Subject of it, having, in his ebbing

ing Moments, recommended to me in the moſt affecting Manner this peculiar Province of exploring, by Diſſection, the Seat, and, of courſe, the Cauſe of his Diſorder, and of communicating to the World a faithful Relation of all the Circumſtances: Deſirous, from his innate Love to Mankind, when he could ſurvive no longer to profit them, of being the Means of conveying what Good he could to them after his Death; according to that of the Poet,

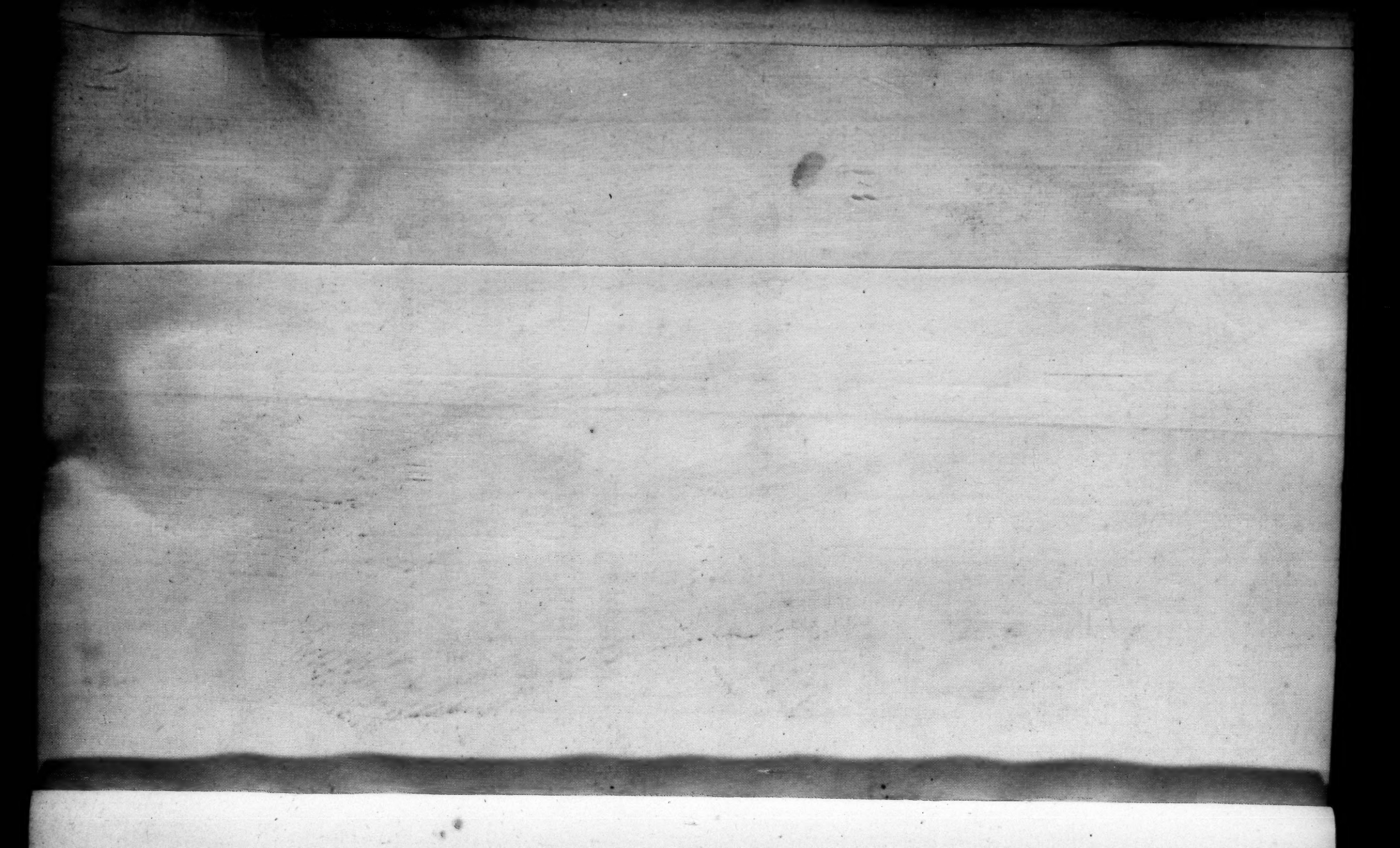
——Hæc etiam Cura Cadentis erat.
OVID.

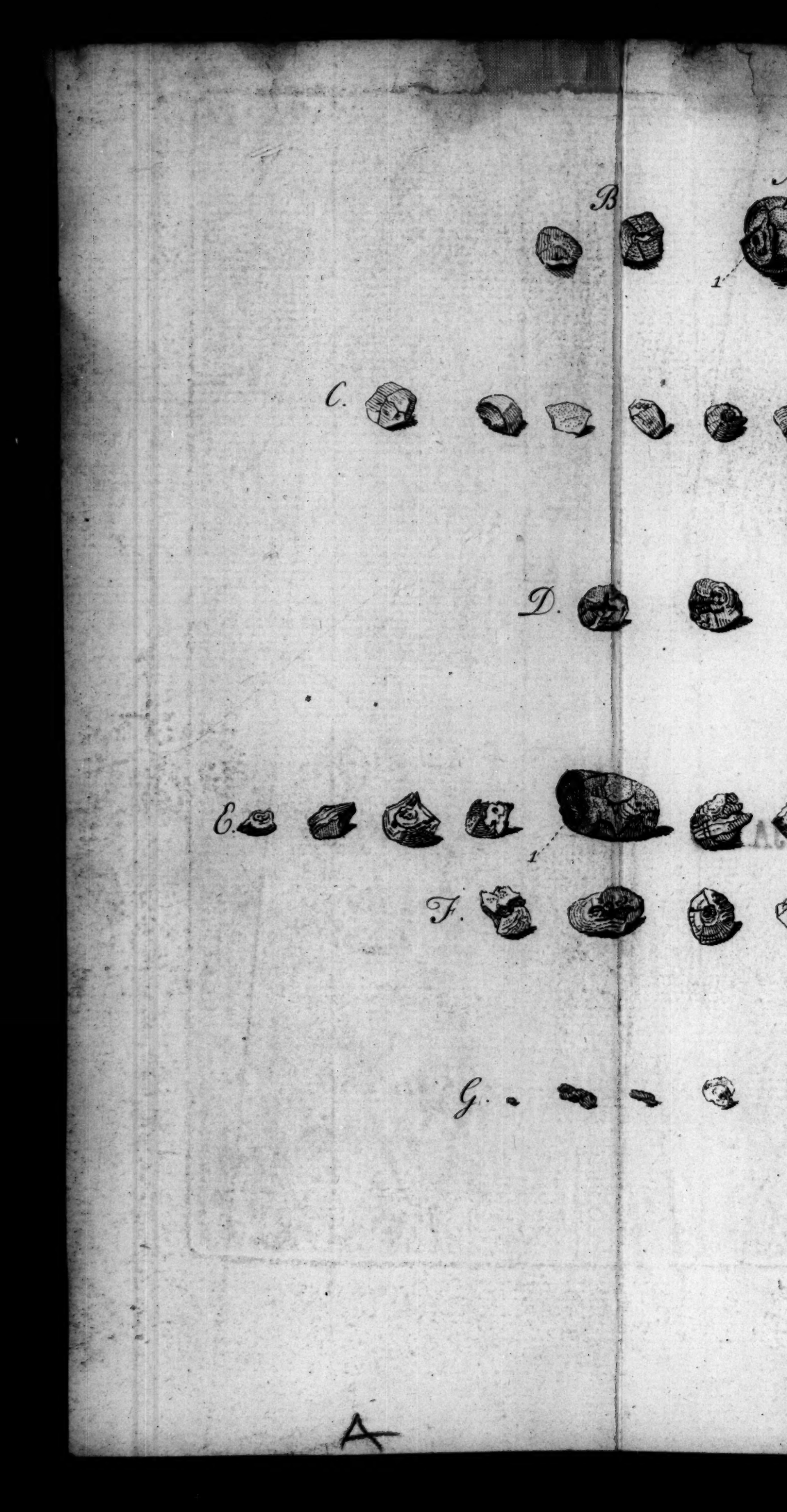
WHEN I recollect his reſigned Behaviour under the moſt excruciating

ating Pains, the magnanimous Sentiments which filled his Soul, when on the Eve, ſeemingly, of Diſſolution, and call to Mind the exalted Expreſſions, that were continually flowing from him at this ſevere Time of Trial: However extraordinary his natural Talents, or acquired Abilities were; however he had diſtinguiſhed himſelf by his Eloquence in the Senate, or by his ſingular Judgment, and Depth of Penetration, in Councils; this incomparable Conſtancy, and aſtoniſhing Firmneſs of Mind, muſt raiſe, in my Opinion, as ſublime Ideas of him, as any Act of his Life beſides, however good and popular; and reflect a Renown on his Name equal to that, which con-

conſecrates the Memory of the moſt remarkable Sages of Antiquity.

THE ſubſequent Pages will be reſtrained to the Giving merely an Hiſtorical Detail, and Exhibiting pure Matter of Fact: It being neither my Inclination, nor any Part of the Task aſſign'd me in this Affair, to make the leaſt Comment, or Animadverſion, whatſoever.





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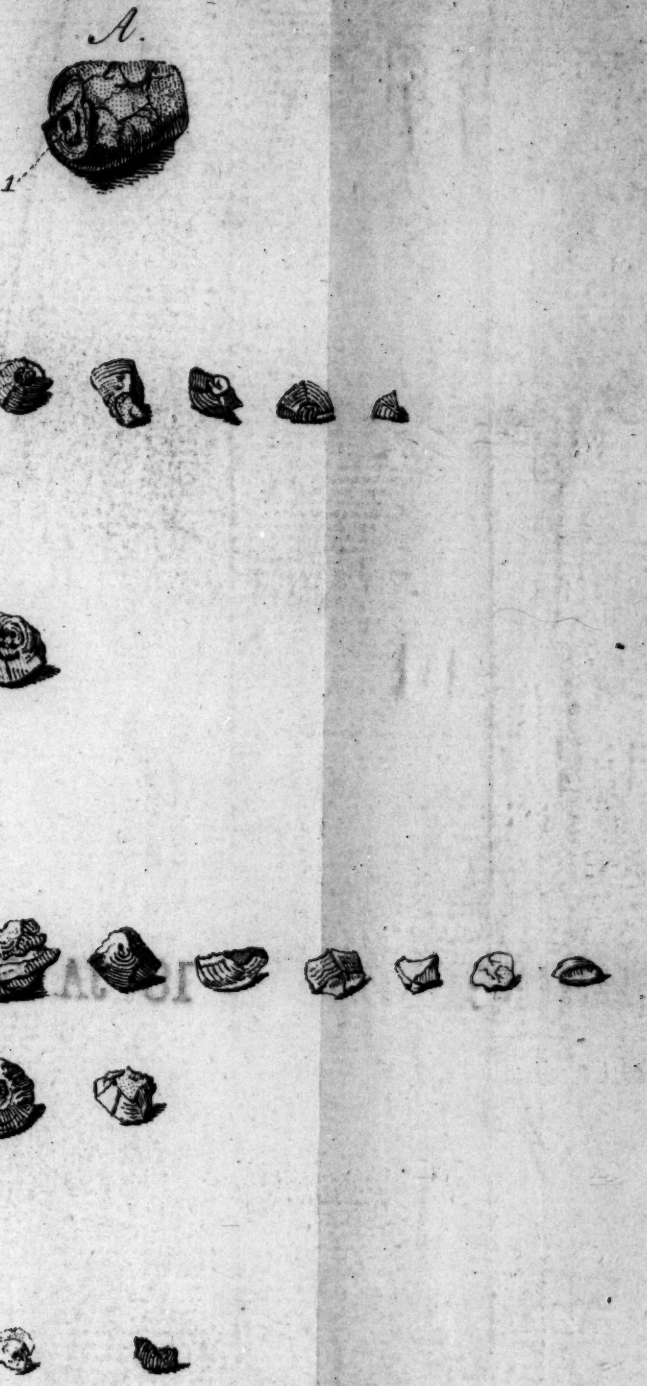
A.
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A NARRATIVE OF THE LAST ILLNESS OF THE RIGHT HONOURABLE THE EARL of ORFORD.

THE Earl of *ORFORD* was laſt Spring attack'd by an Intermitting Fever; on which Occaſion he took the Bark, by the Advice of Sir *Edward Hulſe*, with very good Effect,

and retired for a ſhort Time to *Richmond Park*. Awaking one Day from his accuſtomed Hour's Sleep after Dinner, he was ſeized with great Pain in the Head, and Giddineſs, violent Sickneſs at the Stomach, a frequent Inclination to Vomit, intenſe Pain in his Back, and made Coffee-colour'd Water. On his Arrival in Town his Diſorder was judged by his Phyſician to be a Return of his Intermitting Fever, attended with ſome Nephritic Symptoms: ſo that the Bark was preſcribed him, and at the ſame time Regard had to his Nephritic Complaints. But, theſe Symptoms not yielding to this Method, and, his Pulſe being hard and full, he was bled in the Arm even to a third Time, e'er the

Complaints in the Head ceaſed, or the concreted Matter had work'd its painful Paſſage into the Bladder. The immediate Eaſe procured to his Lordſhip, with the Diſappearance of the Coffee-colour'd Water, was a plain Indication of that Event. Every Time he now made Water, he expected to diſcharge what was thus deſcended into the Bladder. But, as thoſe Expectations were entirely fruitleſs, a Doubt began to prevail, whether it were any thing more, than a gravelly Affair, accompanied with ſome Symptoms, produced by the Intermitting Fever. After theſe Evacuations by Bleeding, he return'd to the Uſe of the Bark; which, in different Forms, he con-

tinued at leaſt for ſix Months. The Duration of this Paroxyſm ſubſiſted, I think, about ten Days ; and determined him to confine himſelf at Home for a Month or more to a cloſe Retirement: Uſing a plain Diet all that Interval, and being ſo abſtemious in reſpect of Wine, that he drank nothing but a little Sack. The firſt Viſit he made, after this Shock, was in an extreamly eaſy Chariot. As he went into the Houſe, he felt an unuſual Irritation to make Water. The Urine diſcharged on this Occaſion was tinged with Blood. But, after reſting there ſome Hours, that Appearance vaniſh'd ; though it ſhewed itſelf again on his Return Home, with the former preter-natural Irritation.

ritation. He paſſed a few Days then in abſolute Reſt: But, on taking a turn again in his Chariot, the Symptoms, even from that little Motion, were renew'd. During this whole Space no Pain affected the Back. As I ſaw his Lordſhip often, I told him what I thought without any Reſerve; namely, that the bloody Urine, and frequent Provocation to make Water (very troubleſom, at leaſt, though not attended with much Pain) were owing to the Stone, which had paſſed from the Kidneys to the Bladder, in the late Nephritic Fit. But, as the Blood, that came away, was judged abſolutely by his Phyſician to proceed from the Kidneys,

neys, this Symptom was deem'd ſo no material Conſequence.

My Lord now thought of going into *Norfolk*. I confeſs, for my own Part, I did not imagine ſuch a Journey practicable for him without the Conveniency of a Horſe-Litter. However, he undertook it the Beginning of *July*: Having firſt determined upon entring on a ſoft, lubricating, Regimen, and, amongſt other Things, on Drinking a Tea made with the Ingredients for the Syrup of Marſh-Mallows twice a Day. The Symptom of Bleeding, which was wont to return on Motion in Town, gave him no Moleſtation whatever on the Road. On his Arrival in the Country,

Country, he kept himſelf as quiet as he poſſibly could: And, whenever he indulged the taking a little Air, 'twas always with the Precaution of not moving off the Turf, but of keeping ſtill within his own Park. The firſt Excurſion he made was a Viſit at about ſix Miles Diſtance from *Houghton*. Notwithſtanding the Evenneſs of the Way, the bloody Urine return'd, and that with greater Violence, than it had hitherto done, together with the former frequent Irritation to make Water; which, indeed, he was never long free from, during the whole Courſe of his Illneſs. However, on Reſt, and taking *Manna* with Cream of Tartar-Whey, thoſe Symptoms once more

diſ-

diſappear'd. Matters being thus circumſtanced, he hardly, now, ever ſtirred abroad. A Relapſe was ſtill conſequent to Motion, which Reſt as naturally ſeldom fail'd to remedy: I ſay *ſeldom fail'd*; becauſe he ſometimes voided Blood, notwithſtanding all the Reſt imaginable.

In *November* laſt his Lordſhip repair'd again to Town: And, though his Phyſician in the Country, Dr. *Hepburn*, had very judiciouſly put him on drinking freely of an Emulſion pretty well impregnated with Gum Arabic, and had injoin'd plentiful Dilution, the Journey (four Days in performing) was nevertheleſs extreamly painful to him.

him. The Diſcharges from the Bladder were often attended with ſo great an Effuſion of Blood, that they could not with any Juſtice lay Claim to the Name of Urine. The irkſom Senſation at the End of the *Penis* was now more frequent, with an additional Pain in going to Stool. The Deſcription he gave of his laſt Day's Travel, though of but twenty Miles, was enough to fill one's Mind with Horror: being obliged to alight from his Chariot at leaſt twenty times, and every time ſubjected to a Diſcharge of almoſt pure Blood, with moſt exceſſive Pain. Arrived in Town, and being at reſt a Day or two, the Bleeding left him, but not the uneaſy Senſation at the Extremity of the *Penis*. Sir

Edward Hulſe, being called the next Morning to his Aſſiſtance, was apprized of theſe preceding Circumſtances by his Lordſhip's own Relation of them: who, (though my Lord had labour'd under no Return of any Nephritic Paroxyſm, but only, to uſe his own Expreſſion, complain'd of having felt at Times a Grumbling in his Kidneys, which he thought not material) was of Opinion, that the Seat of the whole Diſorder was in the Kidneys; inſomuch as the Bladder, being furniſhed with but few Blood-Veſſels, could not ſupply any great Quantity of Blood; and, beſides, that almoſt all Diſcharges of Blood through the *Urethra* proceeded from the Kidneys. It was a Concern to me,

me, that I could not help differing in Opinion from a Phyſician of ſo great Experience, as I was ſufficiently convinced, that the Stone in the Bladder was the ſole Cauſe of all this Tragedy: The firſt Action of which ought to be dated from the violent Nephritic Attack the preceding *May*; there having been no Complaint in my Lord of that Nature for ten Years before. A ſoft and diluting Method was now again preſcribed, and purſued by his Lordſhip from the twenty-third of *November*, the Day of his Arrival in Town, to the fifteenth of *December*, the Time Dr. *Jurin* firſt viſited him. During this Space, he had two Returns of Bloody

Urine, though he did not ſtir from Home but twice, and that but a very little way, in a Chair.

Dr. *Jurin* being now conſulted jointly with Sir *Edward Hulſe*, Searching was propoſed: but, as Dr. *Jurin* was convinced, there was a Stone in the Bladder, (though he thought the Kidneys might, perhaps, in ſome degree, be alſo affected) and his Lordſhip at the ſame Time fixed in a Reſolution not to be Cut, all Thoughts of it for the preſent were laid aſide: eſpecially, as ſuch an Attempt could not fail of encreaſing an Irritation, which was already become abundantly too troubleſom. A Draught therefore was preſcribed, compoſed of

of ſix Ounces of Pectoral Decoction without the Herbs, an Ounce of Syrup of Marſh-Mallows, two Drachms of Spirit of Mint, and a Drachm of Dr. *Jurin*'s *Lixivium Lithontripticum.* This was directed to be given three times a Day; and the Doſe of the *Lithontriptic Lixivium* gradually encreaſed to almoſt a triple Quantity. After ſome Time he took the *Lixivium* at his Meals in ſmall Beer, in which was a Glaſs of Sack. So that from the fifteenth of *December*, to the fourth of *February* following, my Lord had taken ſix and thirty Ounces of this *Lixivium.* Bloody Urine during this Period renewed the Alarm ſeveral times. On the ninth of *January* particularly he had a more

more than ordinary Flux of Blood, attended with greater Pain, than he had ever yet felt, at the End of the *Penis*. Clyſters were frequently injected; but theſe proved of very little Advantage: Inaſmuch as he could not retain the ſmalleſt Quantity of Remedies of that Nature through the whole Courſe of his long Illneſs. In the Evening he voided as much gritty Matter, as would cover a Shilling, of the colour of common Houſe-Sand, and looking as if wrought together with Gum-Water. Tolerable Eaſe ſucceeded this gravelly Diſcharge: Nor was the following Night paſs'd without pretty good Reſt, though partly procured by the Help of an Opiate.

THE enſuing Journal was kept with all imaginable Exactneſs by one of his own Sons, as well as by myſelf.

Sunday Evening, *February* 3. My Lord voided bloody Urine ſeveral Times. He had in the Night frequent provocations to make Water. About nine on *Monday* Morning he diſcharged a great Quantity of Blood. Before eleven a ſmall Stone came away; and ſoon after he complain'd of an intolerable Pain in the *Penis*. Mr. *Ranby*, after examining the Part, extracted from the Urethra a Stone exceeding the Dimenſions of the largeſt Kidney-Bean. About one he felt a ſtrong Irritation

Irritation to make Water; which was follow'd by a large Diſcharge of Blood, a good deal of it coagulated: In which were found eleven Pieces of Stones, ſome of them ſmooth and rounded on one ſide, and ſcraggy on the other; ſome ſharp and pointed on all ſides, as having been inner Parts; but not one of theſe, that did not evidently appear to have been a Part of ſome larger Stone. Theſe Fragments were whitiſh; but, in the Stones which were entire, the Parts in their Joinings were ſtreak'd with Yellow Veins, reſembling in ſome meaſure Moſaic Pavement. Ten, or twelve, of theſe had very probably been cluſter'd together (with a Nucleus apparently within) ſome-

thing like a large Grape-Stone. The Urine, though ſtill bloody, grew gradually leſs and leſs diſcolour'd till three; when it was not in the leaſt diſtain'd. A little after three, there iſſued a great Quantity of Blood, which brought along with it two Pieces of Stone of a larger Size, than moſt of the former. He again voided more Blood, and that in ſtill greater Quantity, and ſaid he felt more Stone had forced its Paſſage. But there was ſuch an extraordinary Coagulation of the Blood diſcharged, that there could not be diſcover'd any concreted Subſtance, till the *Coagulum* had been diſſolved in a large Baſon of Water: when about fifteen Pieces preſented themſelves; one of which was a

Stone, near entire, and almoſt as big as the great one in the Morning, but flatter; another, more than half as big, a Piece of which had been broken off. This Stone, on Examination, was found compacted of three, very ſlightly cemented together; being unable, ſeemingly, to bear even the leaſt Touch without danger of falling aſunder. My Lord continued voiding Blood perpetually, from nine in the Morning till ſix in the Evening. After taking a little Soup, and drinking a Pint of Table-Beer, and a large Glaſs of Sack and Water, Dr. *Jurin* order'd him a Clyſter: But, before That arrived, he had two Stools, between which was given him an Opiate. The Blood ſtill coming

coming away inceſſantly, Recourſe was had to Styptic Draughts, in each of which was half a Drachm of the Bark; and about half an Hour after eight the Flux began to abate. He complain'd much of being griped. About nine the Blood ſtopp'd, and his Complaint turn'd to the Strangury. He grew ſick at his Stomach, and endeavour'd to vomit, but could not. Before eleven his Bleeding return'd. Sir *Edward Hulſe* and Dr. *Jurin* gave him twelve Drops of Liquid Laudanum in Wine and Water warm: Which, together with what he had taken in the Opiate and Styptic Draughts, amounted to fifty Drops. His right Hand was quite cold and clammy, his Pulſe ſinking every

Minute, and the Tendons leaping. He complain'd of great Pain at the Bottom of his Belly, and that his Feet were numb'd. His Thighs and his other Hand grew cold. They gave him the Bark, accompanied with a few Drops of Laudanum: And from one till two he voided no Blood, but could not ſleep. Between three and four he ſlept for about a quarter of an Hour. Sir *Edward Hulſe* thought his left Hand warm again, and his Thighs warmer. He continued to diſcharge almoſt pure Blood, though not ſo profuſely. Between ſix and ſeven he ſlept three quarters of an Hour, and then waked with a total Ceſſation of his Pain; but, with a Pulſe

ſcarcely

ſcarcely perceptible, immediately grew ſick, and brought up all his Bark: Of which he had taken ſeven Drachms in the ſpace of ſix Hours. Mr. *Ranby* and Mr. *Graham*, from this ſudden Tranſition from great Pain to abſolute Eaſe, were apprehenſive of a Mortification of the Parts. He continued in this way till nine. Cordials were preſcribed him; but he remain'd all *Tueſday* with little or no Alteration. The following Night he ſlept ſix Hours in all, at three ſeveral Times; taking the Tincture of the Bark, and Broth, at the Intervals. At nine o'Clock on *Wedneſday* Morning his Hands were grown quite warm, though his Pulſe was low. About ten at Night he diſcharged a ſmall matter

of

of Blood. After that he was left to his Repoſe, and ſlept till two in the Morning; when his Bleeding return'd with Violence, and interrupted his Reſt till eight o'Clock; by which Time it was conſiderably leſſen'd. His Pulſe was ſtrong, but ſubject to frequent Changes and Intermiſſions: Which, indeed, was generally the Caſe. He complain'd of an Uneaſineſs in his right Kidney, which was but of ſhort Duration; and, about twelve, the Urine was like the Grounds of Coffee. They then gave him an oily Clyſter to empty his Bowels, and to prevent the Bark from making him ſick; which he began to be afraid of, and on that Account did not care to take it any

longer

longer in Subſtance: For which Reaſon a good ſtrong Tincture of it was ſubſtituted in its room. He grew now exceedingly drowſy, and was ever deſirous of being left to ſleep, as ſoon as he had taken his Medicines, or Broth. Great Quantities of Urine were involuntarily diſcharged, with ſcarce any Tincture of Blood: And Sir *Edward Hulſe* was perſuaded, that the Bleeding had proceeded from the Kidneys; and that, when my Lord made the Coffee-colour'd-Water, the imagined Obſtruction was removed. They now order'd him the Extract of the Bark, inſtead of the Tincture; and, at eight in the Evening, another Clyſter: Which, as well as the former, came away im-

immediately without Effect. His Spirits ſunk extremely after this; but he reſted pretty well till two in the Morning: When his Bleeding came upon him again very violently, as it had done the Night before at the ſame Hour. At three he took eighteen Drops of Laudanum, but got no Reſt till ſix.

Friday 8. This Morning his Spirits were raiſed with the Opiate, and his Pulſe was good; but, having had no Stool ſince *Monday*, they gave him a Suppoſitory at eleven; and, inſtead of the Extract of the Bark, he took forty Grains of the Subſtance in the Tincture, with five Grains of Rhubarb, every three Hours. Between one and two

he

he had a Stool, and another about ſix: By which means he was much refreſh'd, and continued in great Spirits till ten or eleven, when he began to be once more very low and depreſs'd. At half an Hour after eleven he fell into his Bleeding again, and continued altogether reſtleſs with a high Pulſe till two, when Sir *Edward Hulſe* gave him a Doſe of Laudanum, as he had done the Night before: And when that began to take Effect, the Bleeding went off, and he got ſome Reſt.

Saturday 9. This Morning he was much better; tho' his Pulſe was harder. The Phyſicians, on finding the Bark had not ſucceeded in

regard of ſtopping the Bleeding, added ten Drops of the Royal Stiptic to each of his Draughts. He was in good Spirits this whole Day. About ten at Night his Pulſe roſe, and, ſome Drops of Blood coming from him, he was bled eight Ounces in the Arm; which relieved that Symptom. The Bark was now laid aſide; and this Night he took two oily Draughts, voiding no Blood. In the Morning his Pulſe was extremely low, and he complain'd of great Sickneſs in his Stomach; and, about half an Hour after, had ſome Return of his Bleeding; as he had again at three. All this Day he took no Medicines, was very thirſty, and perpetually doſing. His Pulſe was rather bet-

ter,

ter, than the preceding Days, but his Tongue more brown, and dry. His Urine continued Dripping from him, always leaving a brown Coffee-colour'd Stain in the middle of the Napkin. At eight, by the Advice of the Phyſicians, he took half a Pint of purging Water, and afterwards reſted well.

On the eleventh Dr. *Crowe* was call'd in: Who, from a Relation of the Caſe, was ſtrong in Opinion, that all theſe Stones, coagulated Blood, *&c.* deſcended directly from the Kidneys, though there had been no Nephritic Complaint of late: And that he had ſeveral Times known collected Matter of this Nature to *plug* up the Kidneys;

which at length had paſs'd with very little Pain: It being, in reality, his Sentiment, that all Diſcharges of Blood flow'd, not from the Bladder, but entirely from the Kidneys.

At eight this Evening, Sir *Edward Hulſe* and Dr. *Jurin* being preſent, Mr. *Ranby*, with his Hands, preſs'd the Bottom of his Belly; and the Water guſh'd out, of a perfect deep Coffee-colour. They now concluded his Bladder was fill'd with coagulated Blood, and ſo much diſtended, that it had loſt its Tone. Mr. *Ranby* propoſed laying on Bladders filled with warm Water, in order to try, by an Application of that Sort, to diſſolve, if poſſible, the *Coagulum*: But the Phyſicians

ficians fear'd ſuch an Expedient would ſet him o'bleeding afreſh. However, one was ordered to be applied, in caſe the old Complaint at the End of the *Penis*, or Neck of the Bladder, ſhould return in the Night: Which was accordingly done, but, cauſing an Uneaſineſs, was ſoon removed.

On *Tueſday*, the twelfth, he ſlept very little all Day, and at Night grew more uneaſy, and very much affected in his Head. His Pulſe was low, and fluctuating, and his Memory deficient. He complain'd of great Numbneſs all over, and frequent Twitchings. He would fain have taken another Opiate: But Mr. *Ranby*, finding him ſo much diſ-

diſorder'd, would not venture to give it him.

Wedneſday 13, The Phyſicians came, but declined putting up the *Catheter*, (which they had propoſed the Day before) for fear of doing a farther Injury to Parts, already too much hurt: And therefore only directed his Bladder to be often preſs'd with the Hand. He was now rather weaker, and at Night again diſturb'd in his Head, though he had taken no Laudanum. After an Hour and a half's Sleep, he awaked with his Head quite clear: Reſted well afterwards, a great deal of the dark Water having dripp'd from him, in which were ſeveral ſmall Clots of grumous Blood.

Thurſ-

Thurſday 14, This Morning he was perfectly in his Senſes; but his Tongue was rather more dry, though his Pulſe was very good. At Night he reſted ill, and complain'd of Pains about his Bladder; which they thought proceeded from the Decreaſe of the coagulated Blood in it, which came away more and more.

Friday 15, The Phyſicians again preſcribed him the Extract of the Bark twice a Day, in order to reſtore the Bladder to its proper Tone.

Saturday 16, He roſe about eleven. His Water grew clearer, and his Tongue moiſtiſh, with leſs

Brown-

Brownneſs remaining. He complain'd of colicky Pains, and at Night had a looſe Stool. His Senſes and Memory were now entirely perfect. In the Night, he was ſick, vomited, and reſted ill.

Sunday 17, He roſe, his Strength being apparently encreaſed. The *Catheter* was tried, and then the Candle: But Neither could paſs, there proving to be an Obſtruction in the Part, attended with great Soreneſs.

THUS far the Journal. And, indeed, at the Solicitations of the Phyſicians, I twice attempted to paſs the *Catheter*; but, through ſome occaſional Stop in the Paſ-

ſage,

ſage, and that ſo neceſſary Caution of not applying Force, without Succeſs. Theſe ineffectual Eſſays determined me to call Mr. *Cheſelden* to my Aſſiſtance; who ſucceeded, as it happen'd, no better than myſelf. The Inſtrument, indeed, penetrated farther than before; but not without Pain, though little or no Force was uſed. What put them on preſſing ſo much this Operation, was to draw from the Bladder the grumous Blood, and thereby reſtore that Veſſel to its former Tone; though at this Time the Urine, impregnated with this grumous Matter, rather exceeded in Quantity all he drank; wetting

four or five and thirty Napkins every twenty four Hours.

It is obſervable, that, from the opening to the cloſing this melancholy Scene, there ever ſubſiſted an inſatiable Thirſt, with a dry and browniſh Tongue: Which at the Expiration of about a Fortnight began to grow clearer, and remain'd ſo for a few Days; the Roughneſs of the Tongue nevertheleſs, and Thirſt, no ways abated. The Pulſe would alter ſeveral Times in the Space of half an Hour; and yet the Phyſicians in the mean while entertain'd ſome Hopes of his Recovery: ſo far were they from apprehending his Diſſolution to be ſo near at hand. From the Day he voided that Number of Stones,

Stones, and Quantity of Blood, he could never retain his Urine: Which was, for the firſt Month, loaded with grumous Blood, ouzing out with it in a conſtant Dripping. In proportion to the Decreaſe of this *Coagulum*, (which was continually diſſolving by the Urine) the Pain from the Neck of the Bladder to the End of the *Penis*, was more frequent; as was likewiſe a Symptomatic Colic, which he from firſt to laſt complain'd of in the Neighbourhood of the *Os Pubis*.

FROM the twenty-firſt of *February* to the ſixteenth or ſeventeenth of *March*, being within a Day or two of his Death, among other Medicines (which were all of

a ſoft, lubricating Nature) he every Night took a Draught with half an Ounce of Diacodium in it, and thrice in that Time ſome additional Drops of Laudanum: His Diet being Aſſes-Milk, Chicken-Broth, Small-Beer, and now and then a Glaſs of Wine and Water.

SEVERAL Attempts were made to lay aſide his compoſing Draught, but in vain. For his Nights were ſo reſtleſs, and ſuch an Uneaſineſs prevail'd through his whole Frame, that there was an abſolute Neceſſity of recurring to it before Morning. The Tongue began now to grow browner and browner, with deep Chops in it; which, in effect, had all along been generally of the Colour

Colour of a Nutmeg, and rough to a great Exceſs.

ABOUT a Week before he expired, he was ſeized with a colliquative *Diarrhœa*; which, being beyond the Power of Aſtringents, or Opiates, to remedy, contributed, no doubt, to put a more immediate Period to his tedious, and, at Times, moſt intenſe Pains.

THUS died the EARL of ORFORD; who in private Life had few Equals, in publick, perhaps, no Superiors.

ON opening the Right Honourable the Earl of *Orford*, there occurr'd the following Appearances. The Contents of the lower Belly were all, except the Bladder, in a natural State. This Veſſel had expanded itſelf above the *Os Pubis* at leaſt four Inches: On cutting into its Cavity there iſſued a Quantity of Urine, with three large Clots of coagulated Blood; which no doubt had lain there for ſome Time. On ſeparating the Bladder from the Parts with which it was connected, and dividing it from the Neck to the Bottom, ſeveral inflamed Spots were obſervable; with an Inflammation quite round the Neck about the Breadth of two Inches, and a

Lodg-

Lodgment in the Membrane of ſeveral ſmall Stones, about the Size of half a Grain of Wheat. Its Subſtance was of a very unequal Texture, innumerable Ridges as thick as the eighth of an Inch, and many of them much larger, running a-croſs one another thro' the whole Capacity of it; while the Spaces between thoſe Ridges were as remarkably thin, and tranſparent. The *Proſtate Glands* were enlarged, and become harder than they commonly are. No Defect was diſcoverable in the Kidneys, nor *Ureters*: Though the *Pelvis* was larger then uſual.

E. Hulſe,
J. Ranby,
W. Cheſelden.

An

An Explanation of the PLATE.

A. The Stone extracted from the *Urethra* near the *Glans*.

B. Two leſſer Stones, that came away at the ſame Time, with another Piece, which is loſt.

C. Nine of the eleven Stones voided afterwards, the other two being loſt.

D. Two Fragments diſcharged ſome Time after.

E. The next Parcel, that came away: in which,

1. The *Nucleus*.

F. The

F. The Stones, in which the Cement was looſen'd, but not quite ſeparated.

G. Stones lodged in the inflamed Part of the Membrane at the Neck of the Bladder, with two or three more, which are loſt.

THE following was sketch'd out by his Lordſhip's Phyſician in the Country, in order to its being communicated to his Phyſicians in Town.

Auguſt 9, 1744.

MY Lord *Orford*, riding in a Coach five or ſix Miles in the Forenoon, made bloody Water. This increaſed, returning Home a longer way by two Miles; but, after Dinner and Reſt, ceaſed intirely, by degrees, before Night.

NEXT Morning (after a tolerable eaſy Night, but a frequent Provocation to make Water) there was found a good deal of ſmall Gravel in the Pot.

Auguſt

Auguſt 11. Going to *Halkham* (about ſeven Miles) he began to make bloody Water (very deep colour'd) the firſt two Miles, and again five times before his Lordſhip got thither. The ſame, returning Home in the Evening. Had a pretty good Night, but with frequent Micturition: And in the Morning, in an amber-colour'd Urine was found much Gravel; with a String (his Lordſhip called it) of grumous Blood, in which ſome Gravel was inveloped.

All this bloody Water his Lordſhip aſcribed to drinking much Marſh-mallow Tea of late, and the Frequency of making Water to a

Weakneſs in the *Sphincter* of the urinary Bladder, the natural Conſequence of a declining Age, or a paralytick Diſorder in thoſe Parts: and the rather, by reaſon he has ſometimes found a Numbneſs in one of his Hands.

But, it is to be obſerved, that after making bloody Water there has conſtantly been felt the ſame kind of *Stimulus* upon the *Sphincter Ani*; and (in ſome Degree) as his Lordſhip uſed to feel of old, when a Stone was ready to be voided from the Bladder; and that after the bloody Water, and the common and conſtant Conſequence of it, the voiding of Gravel (mixed or unmixed with grumous Blood) ceaſ-

ed,

ed, that Irritation ceaſed likewiſe: ſo that Gravel lodged about the Neck of the Bladder ſeems to be the undoubted Cauſe of all this bloody Water, which the Motion of Road-riding brought into Action (perhaps aſſiſted by the Mallows Tea.) Not ſo, the ſame Motion along the green Turf of the Park.

Now, if the Cauſe of frequent Micturition was a Weakneſs of the Muſcular Fibres of the Bladder, (a certain Concomitant of decrepit Age) the Diſeaſe, as the Cauſe, would be continual, and there would be a conſtant Dribbling of Urine. Whereas, 'tis plain, that that Frequency is more or leſs

from

from the greater or leſſer Quantity, or the Size, or Situation of the Gravel irritating, from this remarkable Obſervation, *viz.* About ten Days ago, after taking the Manna and Cream of Tartar, his Lordſhip lay quiet and eaſy five Hours that Night; a Time twice as long as any he had had ſince he came into the Country.

His Lordſhip will make mention of his making bloody Water, upon taking a Journey to *Woolterton* (about twenty Miles) *September* 14. and of a Frequency of it almoſt every half Hour. Yet, after drinking *Briſtol* Water, eating a good Dinner, and drinking Marſh-

mallow

mallow Tea towards the Evening, a quiet Night enſued.

I NEED not add, That on *Monday*, *October* 29, His Lordſhip took the Manna and Cream of Tartar; on *Tueſday* Evening made bloody Urine without going abroad: but then on *Wedneſday* the thirty-firſt voided a ſmall hard Stone, no bigger than a Pin's Head, and after that was eaſy.

G. HEPBURN.

The E N D.

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